Bryan W. Shaw, Ph.D., Chairman
Buddy Garcia, Commissioner
Carlos Rubinstein, Commissioner
Mark R. Vickery, P.G., Executive Director



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

April 21, 2010

LaDonna Castañuela, Chief Clerk Texas Commision on Environmental quality P.O. Box 13087, MC 105 Austin, Texas 78711-3087

Re:

Conners Construction, Inc.
Permit No. 87730L001

TCEQ Docket No. 2011-0172-AIR

Dear Ms. Castañuela:

Enclosed please find at copy of the following documents for inclusion in the background material for this permit application:

- Final Draft Permit, including any special provisions or conditions
- Maximum Allowable Emission Rate Table (MAERT)
- The summary of the technical review of the permit application
- The modeling audit memoranda
- The compliance summary of the applicant

If you have any questions, please do not hesitate to call me at extension 2253.

Sincerely,

Douglas M. Brown

Staff Attorney

Environmental Law Division

Enclosure



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY AIR OUALITY PERMIT

A PORTABLE PERMIT IS HEREBY ISSUED TO Conners Construction, Inc. AUTHORIZING THE CONSTRUCTION AND OPERATION OF

> **Rock Crushing Facility** Regulated Entity Number: RN105704472 Customer Reference Number: CN601463409



- Facilities covered by this permit shall be constructed and operated as specified in the application for the permit. All representations regarding construction plans and operation procedures contained in the permit application shall be conditions upon which the permit is issued. Variations from these representations shall be unlawful unless the permit holder first makes application to the Texas Commission on Environmental Quality (commission) Executive Director to amend this permit in that regard and such amendment is approved. [Title 30 Texas Administrative Code § 116.116 (30 TAC § 116.116)]
- Voiding of Permit. A permit or permit amendment is automatically void if the holder fails to begin construction within 18 months of the date of issuance. discontinues construction for more than 18 months prior to completion, or fails to complete construction within a reasonable time. Upon request, the executive director may grant an 18-month extension. Before the extension is granted the permit may be subject to revision based on best available control technology, lowest achievable emission rate, and netting or offsets as applicable. One additional extension of up to 18 months may be granted if the permit holder demonstrates that emissions from the facility will comply with all rules and regulations of the commission, the intent of the Texas Clean Air Act (TCAA), including protection of the public's health and physical property; and (b)(1)the permit holder is a party to litigation not of the permit holder's initiation regarding the issuance of the permit, or (b)(2) the permit holder has spent, or committed to spend, at least10 percent of the estimated total cost of the project up to a maximum of \$5 million. A permit holder granted an extension under subsection (b)(1) of this section may receive one subsequent extension if the permit holder meets the conditions of subsection (b)(2) of this section. [30 TAC § 116.120(a), (b) and (c)]
- Construction Progress. Start of construction, construction interruptions exceeding 45 days, and completion of construction shall be reported to the appropriate regional office of the commission not later than 15 working days after occurrence of the event. [30 TAC § 116.115(b)(2)(A)]
- Start-up Notification. The appropriate air program regional office shall be notified prior to the commencement of operations of the facilities authorized by the permit in such a manner that a representative of the commission may be present. The permit holder shall provide a separate notification for the commencement of operations for each unit of phased construction, which may involve a series of units commencing operations at different times. Prior to operation of the facilities authorized by the permit, the permit holder shall identify to the Office of Permitting and Registration the source or sources of allowances to be utilized for compliance with Chapter 101, Subchapter H, Division 3 of this title (relating to Mass Emissions Cap and Trade Program). [30 TAC § 116.115(b)(2)(B)]
- Sampling Requirements. If sampling is required, the permit holder shall contact the commission's Office of Compliance and Enforcement prior to sampling to obtain the proper data forms and procedures. All sampling and testing procedures must be approved by the executive director and coordinated with the regional representatives of the commission. The permit holder is also responsible for providing sampling facilities and conducting the sampling operations or contracting with an independent sampling consultant. [30 TAC § 116.115(b)(2)(C)]
- Equivalency of Methods. The permit holder must demonstrate or otherwise justify the equivalency of emission control methods, sampling or other emission testing methods, and monitoring methods proposed as alternatives to methods indicated in the conditions of the permit. Alternative methods shall be applied for in writing and must be reviewed and approved by the executive director prior to their use in fulfilling any requirements of the permit. [30 TAC § 116.115(b)(2)(D)]
- Recordkeeping. The permit holder shall maintain a copy of the permit along with records containing the information and data sufficient to demonstrate compliance with the permit, including production records and operating hours; keep all required records in a file at the plant site. If, however, the facility normally operates unattended, records shall be maintained at the nearest staffed location within Texas specified in the application; make the records available at the request of personnel from the commission or any air pollution control program having jurisdiction; comply with any additional recordkeeping requirements specified in special conditions attached to the permit; and retain information in the file for at least two years following the date that the information or data is obtained. [30 TAC § 116.115(b)(2)(E)]
- Maximum Allowable Emission Rates. The total emissions of air contaminants from any of the sources of emissions must not exceed the values stated on the table attached to the permit entitled "Emission Sources--Maximum Allowable Emission Rates." [30 TAC § 116.115(b)(2)(F)]
- Maintenance of Emission Control. The permitted facilities shall not be operated unless all air pollution emission capture and abatement equipment is maintained in good working order and operating properly during normal facility operations. The permit holder shall provide notification for upsets and maintenance in accordance with §§ 101.201, 101.211, and 101.221 of this title (relating to Emissions Event Reporting and Recordkeeping Requirements; Scheduled Maintenance, Startup, and Shutdown Reporting and Recordkeeping Requirements; and Operational Requirements). [30 TAC § 116.115(b)(2)(G)]
- Compliance with Rules. Acceptance of a permit by an applicant constitutes an acknowledgment and agreement that the permit holder will comply with all rules, regulations, and orders of the commission issued in conformity with the TCAA and the conditions precedent to the granting of the permit. If more than one state or federal rule or regulation or permit condition is applicable, the most stringent limit or condition shall govern and be the standard by which compliance shall be demonstrated. Acceptance includes consent to the entrance of commission employees and agents into the permitted premises at reasonable times to investigate conditions relating to the emission or concentration of air contaminants, including compliance with the permit. [30 TAC § 116.115(b)(2)(H)]
- 11. This permit may be appealed pursuant to 30 TAC § 50.139.
- 12. This permit may not be transferred, assigned, or conveyed by the holder except as provided by rule. [30 TAC § 116.110(e)]
- 13. There may be additional special conditions attached to a permit upon issuance or modification of the permit. Such conditions in a permit may be more restrictive than the requirements of Title 30 of the Texas Administrative Code. [30 TAC § 116.115(c)]
- Emissions from this facility must not cause or contribute to a condition of "air pollution" as defined in TCAA § 382.003(3) or violate TCAA § 382.085, as codified in the Texas Health and Safety Code. If the executive director determines that such a condition or violation occurs, the holder shall implement additional abatement measures as

	necessary to control or prevent the condition or violation.	
POR	TABLE PERMIT <u>87730L001</u>	

Datado	

Dated:

TEXAS COMMISSION OUALITA QUALITY

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SPECIAL CONDITIONS

Permit Number 87730L001

EMISSION STANDARDS

1. This permit covers only those sources of emissions listed in the attached table entitled "Emission Sources - Maximum Allowable Emission Rates," and those sources are limited to the emission limits and other conditions specified in the attached table.

FUEL SPECIFICATIONS

2. Fuel for the engines shall be pipeline quality sweet natural gas or liquid fuel with a maximum sulfur content of no more than 0.0015 percent by weight and shall not consist of a blend containing waste oils or solvents. Use of any other fuel shall require prior written approval of the Executive Director of the Texas Commission on Environmental Quality (TCEQ). Upon request by the Executive Director of the TCEQ or any local air pollution control program having jurisdiction, the holder of this permit shall provide a sample and/or an analysis of the fuel(s) utilized in this plant or shall allow air pollution control program representatives to obtain a sample for analysis.

FEDERAL APPLICABILITY

3. All equipment shall comply with all requirements of the U.S. Environmental Protection Agency (EPA) regulations in Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Subparts A and OOO on Standards of Performance for New Stationary Sources (NSPS) promulgated for Nonmetallic Mineral Processing Plants except as otherwise represented in the permit application.

OPACITY/VISIBLE EMISSION LIMITATIONS

4. There shall be no visible fugitive emissions leaving the property from crushers, screens, engines, transfer points on belt conveyors, material storage or feed bins, stockpiles, or internal roads and work areas. Observations for visible emissions shall be performed and recorded quarterly. The visible emissions determination shall be made during normal plant operations. Observations shall be made on the downwind property line for a minimum of six minutes. If visible emissions are observed, an evaluation must be accomplished in accordance with EPA Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Appendix A, Test Method 22, using the criteria that visible emissions shall not exceed a cumulative 30 seconds in duration in any six-minute period. If visible emissions exceed the Test Method 22 criteria, corrective action to eliminate the cause of excessive visible

emissions shall be taken promptly and documented within 24 business hours of first observing the visible emissions.

5. Opacity of particulate matter emissions shall not exceed the following:

	Screening operations, transfer points on belt conveyors, storage bins	Crushers
Affected facilities (as defined in 40CFR§§60.670 and 60.671) that commenced construction, modification, or reconstruction after August 31, 1983 but before April 22, 2008	10 percent	15 percent
Affected facilities (as defined in 40CFR §§60.670 and 60.671) that commence construction, modification, or reconstruction on or after April 22, 2008	7 percent	12 percent

Determination of compliance with this requirement shall be made first by observing for visible emissions during normal operations. Observations shall be made at least 15 feet and no more than 0.25 mile from the emission point. If visible emissions are observed from that emission point, opacity shall be determined by 40 CFR Part 60, Appendix A, Test Method 9. Determination of compliance with this requirement shall be performed and the results recorded quarterly.

OPERATIONAL LIMITATIONS, WORK PRACTICES, AND PLANT DESIGN

6. Throughput at this facility is limited to 350 tons per hour and 2,500,000 tons per year in any rolling 12-month period with capacity limits for each crusher as follows:

· · · · · · · · · · · · · · · · · · ·	tons/hour	
*	and the second of the second o	
Crusher No. 1	350	1,500,000
Crusher No. 2	350	1,500,000
Crusher No. 3	200	1,000,000

7. This rock crushing plant is authorized to operate up to 24 hours/day, 7 days/week, 52 weeks/year.

- 8. Permanently mounted spray bars shall be installed at the inlet and outlet of all crushers, at all shaker screens, and at all material transfer points. All water spray systems shall be operated as necessary to maintain compliance with TCEQ rules and regulations.
- 9. All in-plant roads and traffic areas, active work areas and aggregate stockpiles shall be sprayed with water and/or environmentally sensitive chemicals upon detection of visible particulate emissions to maintain compliance with all TCEQ rules and regulations.
- 10. Stockpile heights are site specific and shall not exceed 45 feet in height unless approved by the TCEQ Regional Office and/or any appropriate local air programs with delegation.
- 11. All engines authorized by this permit shall be equipped with runtime meters. The operation of each engine is limited to 4,368 hours in any rolling 12-month period.
- 12. All stationary equipment authorized by this permit shall be prominently marked to show the assigned TCEQ regulated entity number or permit number, excluding the location suffix (example: L001). These markings must be clearly visible. These identification markings shall be removed from the equipment when it is no longer authorized by the TCEQ.

MOVEMENT OF A PORTABLE FACILITY

- 13. The following are requirements for movement of this portable plant:
 - A. Prior to moving permitted plants or sources to any new site (even if authorization for the site has previously been granted), the holder of the permit shall request relocation or change of location authorization and obtain written approval from a delegated representative of the TCEQ Executive Director. Additionally, once construction has begun at any site, the applicant shall notify the appropriate TCEQ Regional Office and local air pollution control programs in writing of the actual dates of start of construction and operation.
 - B. The appropriate TCEQ Regional Office may approve the following types of relocations:
 - (1) A permitted plant and associated equipment to be located temporarily* in the right-of-way, or contiguous to the right-of-way, of a public works project, or
 - *Note: A temporary plant is one that occupies a designated site for not more than 180 consecutive days or supplies materials for a single project (single contract or same contractor for related project segments, but not other unrelated projects.)
 - (2) A portable plant moving to a site where a portable plant has been located at the

site at any time during the previous two years.

- C. If the holder of the permit meets either 13.B.(1) or 13.B.(2) above, then they shall submit a request letter to the appropriate TCEQ Regional Office prior to relocating. After evaluating the relocation request, the TCEQ Regional Office will send a written response to the permit holder. The permit holder shall submit the following information to the TCEQ Regional Office:
 - (1) Company name, address, company contact, and telephone number;
 - (2) Copy of existing permit conditions and the maximum allowable emission rates table (MAERT) that are in effect for the permitted facilities;
 - (3) Regulated entity number (RN), customer reference number (CN), and applicable permit or registration numbers, and if available, TCEQ account number;
 - (4) Location the facility is moving from (current location);
 - (5) Location description of the proposed site (city, county, and exact physical location description);
 - (6) A scaled plot plan that identifies the location of all equipment and stockpiles; and also indicates the required distances to the property lines can be met;
 - (7) A scaled area map that identifies the distance and direction to the closest off-property receptor (if required) and clearly indicates how the proposed site is contiguous or adjacent to the right-of-way of a public works project (if required);
 - (8) Proposed date for start of construction and expected date for start of operation;
 - (9) Expected time period at the proposed site;
 - (10) Permit or registration number of the portable facility that was located at the proposed site any time during the last two years, and the date the facility was last located there. (This information is not necessary if the relocation request is for a public works project that is contiguous or adjacent to the right-of-way of a public works project;) and
 - (11) Proof that the proposed site had accomplished public notice, as required by 30 TAC Chapter 39. (This proof is not necessary if the relocation request is for a

public works project that is contiguous or adjacent to the right-of-way of a public works project.)

- D. To move a permitted plant and associated equipment to a site that does not meet either 13.B.(1) or 13.B.(2), the holder of this permit shall submit a change of location request to the TCEQ Air Permits Division, Air Permits Initial Review Team, MC-161, P.O. Box 13087, Austin, Texas 78711-3087 using Form PI-1, along with all supporting documents. In accordance with the Texas Health and Safety Code § 382.056, the applicant may be required to publish public notice prior to being authorized for a change of location to a new site.
- E. All relocation and change of location applications shall comply with the following conditions:
 - (1) The rock crushing plant and all associated sources (screens, transfer points on belt conveyors, feed bins, and work areas that are only associated with the facility) shall be located a minimum of 542 feet from the property line and at least 550 feet from any other rock crushing plant, concrete batch plant, or hot mix asphalt plant. If this distance of 550 feet cannot be met, the rock crushing plant shall not operate at the same time as any other rock crushing plant, concrete batch plant or hot mix asphalt plant located on site within this distance.
 - (2) Stockpiles and vehicle traffic areas (except for entrance and exit to the site) shall be located at least 25 feet from any property line. In lieu of meeting the distance requirements for roads and stockpiles, the following must occur:
 - a. Roads and other traffic areas within the buffer distance must be bordered by dust suppressing fencing or other dust suppressing barrier along all traffic routes or work areas. These borders shall be constructed to a height of at least twelve feet; and
 - b. Stockpiles within this buffer distance must be contained within a three-walled bunker which extends at least two feet above the top of the stockpile.
- F. To request an authorization of the movement of this plant to a site that is subject to the requirements of Prevention of Significant Deterioration and Nonattainment Permits under 30 Texas Administrative Code Chapter 116, Subchapter B, Divisions 5 and 6, the request shall be submitted to the TCEQ Air Permits Division, Air Permits Initial Review Team, MC-161, P.O. Box 13087, Austin, Texas 78711-3087 using Form PI-1, along with all supporting documents. In accordance with the Texas Health and Safety Code § 382.056, the applicant may be required to publish public notice prior to being authorized for a change of location to a new site.

SPECIAL CONDITIONS Permit Number 87730L001 Page 6

DETERMINATION OF COMPLIANCE

- 14. Upon initial issuance, the permit holder shall comply with NSPS Subpart A and OOO requirements within the specified time frame. Requests for additional time to perform observations shall be submitted in writing to the TCEQ Regional Office. Requests for additional time to comply with the applicable requirements of 40 CFR Part 60 require EPA approval and shall be submitted in writing to the TCEQ Compliance Support Division.
- 15. Upon request of the TCEQ Regional Director having jurisdiction, the holder of this permit shall perform ambient air monitoring, or other testing as required to establish the actual pattern and quantities of air contaminants being emitted into the atmosphere. The tests shall be performed during normal operation of the facilities and shall be performed in accordance with accepted TCEQ practices and procedures.

RECORDKEEPING REQUIREMENTS

- 16. In addition to the recordkeeping requirements specified in General Condition No. 7 and 40 CFR Part 60, Subparts A and OOO, the following records shall be kept and maintained on-site for a rolling 24-month period:
 - A. Daily, monthly, and annual amounts of materials processed, summarized in tons per hour, tons per month, and tons per year;
 - B. Road cleaning, application of road dust control or road maintenance for dust control;
 - C. Engine usage in hours per day and per month for each engine;
 - D. Records of the quarterly visible emissions observations required by the visible and opacity limitations;
 - E. Records of all repairs and maintenance of abatement systems; and
 - F. Inspections of abatement devices shall be recorded as they occur.

Dated:

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 87730L001

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities, sources, and related activities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

AIR CONTAMINANTS DATA

		CONTAMINANTS DATA Air Contaminant Name (3)	Emission	Emission Rates		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	lbs/hour	TPY (4)		
	Crusher No. 1 (jaw)	PM	0.07	0.16		
1	(5)	PM_{10}	0.04	0.08		
	Crusher No. 2	PM	0.42	0.90		
0	(cone)(5)	PM_{10}	0.19	0.41		
	Crusher No. 3	PM	0.24	0.60		
9	(HSI)(5)	PM_{10}	0.11	0.27		
	27.17.5	PM	0.77	1.65		
	Screen No. 1 (5)	PM ₁₀	0.26	0.56		
	Screen No. 2 (5)	PM	0.77	1.65		
2		PM_{10}	0.26	0.56		
<u> </u>		PM	0.77	1.65		
1	Screen No. 3 (5)	PM_{10}	0.26	0.56		
		PM	0.44	1,.10		
	Screen No. 4 (5)	PM_{10}	0.15	0.37		
		PM	0.73	1.49		
MTL	Material Handling (5)	PM ₁₀	0.19	0.54		
	3	PM ₁₀	0.11	0.25		
		VOC	0.05	0.12		
88	Engine No. 1 (Caterpillar 3406)	NO _x	6.65	14.53		
	Catorpinar 5-100)	SO ₂	1.00	2.19		
		СО	0.99	2.17		

Project Number: 145408

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Point No. (1)	Carrier Name (2)	Mis Courte Singut Name (2)		5774111
Emission 1 one 140. (1)		Air Contaminant Name (3)	lbs/hour	TPY (4)
	3 2. £. £. 5/.	PM ₁₀	0.11	0.25
	/	VOC	0.05	0.12
39	Engine No. 2 (Caterpillar 3406)	NO _x	6.65	14.53
	, ,	SO ₂	1.00	2.19
		СО	0.99	2.17
	Engine No. 3 (John Deere 6125-A)	PM ₁₀	0.06	0.13
		VOC	0.22	0.48
40		NO _x	5.65	12.34
		SO ₂	0.67	1.46
		СО	0.22	0.48
1 1	No. 2 Fuel Oil Tank	VOC	<0.01	<0.01
NATIV.	G: 1 11 (6)	PM		3.37
STK	Stockpiles (5)	PM ₁₀	4	1.68

/ 1		T	• .			• . 1	• ~	•	1		•	^		•
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ι.	٠,		~~~~	~ ~			·			Or OXXXXDDXOXX	Poster manico	O1 11 C111	D.O.C.	Prair.

Specific point sou	rce name. For fugitive sources, use area name or fugitive source name.
PM	- total particulate matter, suspended in the atmosphere, including PM ₁₀ and PM _{2.5} , as represented
PM ₁₀	- total particulate matter equal to or less than 10 microns in diameter, including PM _{2.5} , as represented
$PM_{2.5}$	- particulate matter equal to or less than 2.5 microns in diameter
VOC	- volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x	- total oxides of nitrogen
SO ₂	- sulfur dioxide
CO	- carbon monoxide
	PM PM ₁₀ PM _{2.5} VOC NO _x SO ₂

(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.(5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date:

Permit Number 87730L001 **Conners Construction Inc** Company Project Number 145408 Kosse City Account Number N/A County Falls Regulated Entity Number RN105704472 Initial Project Type Customer Reference Number Alex Berksan, P.E. CN601463409 Project Reviewer Rock Crushing Facility Site Name

Project Overview

39 403

This is the review of an application by Conners Construction to construct and operate a rock crushing plant in Falls County, near the city of Kosse, which is in neighboring Limestone County. Twenty-six comments were received during the first public comment period, including 13 hearing requests and six public meeting requests. Senator Kip Averitt and Representative Jim Dunnam requested a public meeting to be held in Falls County.

Conners Construction operates another rock crushing plant on the same site, authorized by Permit by Rule registration No. 85608L001 (issued 7/23/2008).

20 TAC Chapter 60 Pules

A compliance history report was reviewed on:	10/19/2009
Compliance period:	3/19/2009 – 3/19/2004
Site rating & classification:	3.01 average by default
Company rating & classification:	2.47 average
f the rating is 40 <rating<45, any,="" based="" findings="" formal="" if="" in="" on="" outcome,="" report:<="" td="" the="" was="" what=""><td>NA</td></rating<45,>	NA
Has the permit changed on the basis of the compliance history or ating?	NA

3/19/2009

Public Notice	Information - 30 TAC	Chapter	39	Rules	
	The state of the s	activities 🕏			

Date Application Received:

39.4U <i>3</i>	Date Application Received.	5/17/2007
	Date Administratively Complete:	3/31/2009
	Small Business Source?	No
	Date Leg Letters mailed:	3/31/2009
39.603	Date Published:	4/8/2009 (with errors), 5/13/2009
	Publication Name:	Marlin Democrat
	Pollutants:	Particulate matter including particulate matter less than 10 microns in
		diameter, organic compounds, nitrogen oxides, sulfur dioxide, and carbon
		monoxide
	Date Affidavits/Copies	
	Received:	6/7/2009
	Is bilingual notice required?	No; no bilingual program
	Date Certification of Sign	
	Posting / Application	
	Availability Received:	6/7/2009
39.604	Public Comments Received?	Yes (26)
	Hearing Requested?	Yes (13)
	Meeting Request?	Yes (6)
	Date Meeting Held:	3/11/10
•	Request(s) withdrawn?	No
	Date Withdrawn:	NA
	Consideration of Comments:	NA
	Is 2nd Public Notice required?	Yes
39.419	Date 2nd Public Notice Mailed:	1/25/2010

Permit No. 87730L001 Page 2 Regulated Entity No. RN105704472

Rule Citation	Requirement	A CARLES AND A STATE OF A STATE O	,,,
	Preliminary Determination:	48 T 4 T	Issue
39.603	Date Published:	1993 to 2/1	0/2010
••	Publication Name:	Marlin De	mocrai
	Pollutants: Particulate matter in	cluding particulate matter less than 10 mic	طلحتورطا مايات
	diameter, organic compo	ounds, nitrogen oxides, sulfur dioxide, and	carbon
		mo	noxide
	Date Affidavits/Copies		
	Received:		0/2010
-	Is bilingual notice required?	No; no bilingual pr	ogram.
	Public Comments Received?		Yes
	Meeting Request?	Not during second comment	period.
1	Date Meeting Held:		1/2010
	Hearing Request?	Not during second comment	period.
-	Date Hearing Held:		
	Request(s) withdrawn?	And the second s	No
	Date Withdrawn:	And the second second second second	NA
·	Consideration of Comments:	Response to Comments filed 12/1	
		Response to Comments med 12/1	0/2010
onstruction Pern	nit & Amendment Requirements - 30 TAC Chapter	r 116 Rules	
Rule Citation	Requirement		
116.111(a)(2)(G)	Is the facility expected to perform as represented in the applic		Yes
116.111(a)(2)(A)(i)			Yes
1,101111(4)(2)(11)(1)	Regulations, and the intent of the Texas Clean Air Act?	one quanty reasons	
116.111(a)(2)(B)	Emissions will be measured using the following	Record keeping of production, from	which
()()()	method:	emissions can be calc	
	Comments on emission verification:	Service Control	Y
116.111(a)(2)(D)	Subject to NSPS?		Yes
2 - Andrew Co. Substance on commence on contract of the contra	Subparts A & OOO, Nonmetallic Mineral Processing	Plants	
116.111(a)(2)(E)	Subject to NESHAP?		No
116.111(a)(2)(F)	Subject to NESHAP (MACT) for source categories?		No
116.111(a)(2)(H)	Is nonattainment review required?		No
eg engagen i specialistic de la compansión en propriation de la compansión	Is the site located in a nonattainment area?		No
116.111(a)(2)(I)	Is PSD applicable?		No
	Is the site a federal major source (100/250 tons/yr)?		No
	Is the project a federal major source by itself?		No
and the second of the second o	Is the project a federal major modification?		No
116.111(a)(2)(L)	Is Mass Emissions Cap and Trade applicable to the new or mo		No
116.140 - 141	Permit Fee: \$900 Fee certification	tion: R	920790
~ ~	ity - 30 TAC Chapter 122 Rules		
Rule Citation	Requirement	and a second second contract of the second co	
122,10(13)(A)	Is the site a major source under FCAA Section 112(b)?	and the second control of the second control	No
	Does the site emit 10 tons or more of any single HAP?		No
SAGAMAGAMAGAMAGA SAGAMAGA SAGA	Does the site emit 25 tons or more of a combination?	and the same of th	No
122.10(13)(C)	Does the site emit 100 tons or more of any air pollutant?	and the same and t	No
122.10(13)(D)	Is the site a nonattainment major source?		No
122.602	Periodic Monitoring (PM) applicability:		
	Not applicable.		
122.604	Compliance Assurance Monitoring (CAM) applicability:		
	Not applicable.		

Permit No. 87730L001 Page 3 Regulated Entity No. RN105704472

Request for Comments

Received From	Program/Area Name	Reviewed By	Comments	
Region:	9	Royce Bolton	None	
Compliance:		Alex Berksan	None	

Process/Project Description

Aggregate material is transported via front-end loader or haul truck to the crushing facility, where the raw material is loaded into Hopper #1. Material from the hopper is transferred to a conveyor which feeds Screen #1. Material sized by the screen is transferred to subsequent conveyors. Material passing through the screen falls to a conveyor that transfers it to a radial stacker for stockpiling. Material retained on the second and third decks of the screen falls to individual conveyors that transfer material to their respective radial stackers for stockpiling. Material from the first deck of the screen falls to a conveyor that transfers material to another conveyor which feeds Hopper #2.

Material may be augmented or fed solely by front-end loader at Hopper #2. Fines from the feeder are transferred by a gate to one of two conveyors. One conveyor stockpiles material. The other conveyor collects material from Crusher #1 which receives the majority of material from the hopper. Material collected on this second conveyor is transferred to Screen #2. Material sized by the screen is transferred to subsequent conveyors. Oversized material retained on the first deck of the screen falls to a conveyor that may transfer material to a subsequent conveyor that returns material back to Hopper #2 for reprocessing or may transfer material to a different conveyor for further processing described later in this process description. Material retained on the second and third decks of the screen and the material passing through all screen decks fall to individual conveyors that transfer material to their respective radial stackers for stockpiling. Oversized material not conveyed back to Hopper #2 may be transferred to a different conveyor that transfers material to another conveyor that feeds material to Hopper #3.

Material may be augmented or fed solely by front-end loader at Hopper #3. Hopper #3 feeds material to Crusher #2 where processed material falls to a conveyor that feeds material to Screen #3. Material sized by the screen is transferred to subsequent conveyors. Material retained on each of the three screen decks and material passing through the screen is collected by conveyors transferring material to their respective radial stackers for stockpiling.

Another crushing facility that may be used independently or in conjunction with the plant detailed above will also be utilized at this site. A front-end loader feeds material to Hopper #4. Fines from the feeder are transferred via gate to one of two conveyors. One conveyor stockpiles material. The other conveyor collects material from Crusher #3 which receives the majority of the material from the hopper. Material collected on this second conveyor is transferred to Screen #4. Material sized by the screen is transferred to subsequent conveyors. Material from the first deck falls to a reversible conveyor that can either transfer material to a conveyor returning material back to Hopper #4 for reprocessing or transfers material to a conveyor that transfers material to a radial stacker for stockpiling. Material from the second and third decks and passing through all decks of the screen falls to conveyors that transfer material to their respective radial stackers for stockpiling. Power for the plant is supplied by three engines.

Pollution Prevention, Sources, Controls and BACT- [30 TAC 116.111(a)(2)(C)]

The crushers, screens, material transfer points, and stockpiles are fugitive sources of particulate matter emissions and all are controlled by water sprays or watering (stockpiles). The engines are fueled by natural gas or fuel oil and they are sources of nitrogen oxides, VOCs, particulate matter, carbon monoxide, and sulfur dioxide. The sulfur content of fuel oil is limited to 0.0015%. There are no feasible controls for the remainder of the pollutants from the engines. Roads will be watered to minimize fugitive dust emissions due to vehicle traffic. All controls meet BACT for rock crushing plants.

Impacts Evaluation - 30 TAC 116.111(a)(2)(J)

Was modeling conducted? Yes	Type of Modeling:	Screen 3 Version 96043
Will GLC of any air contaminant cause violation of NAA	AQS?	No
Is this a sensitive location with respect to nuisance?		No
[§116.111(a)(2)(A)(ii)] Is the site within 3000 feet of an	y school?	No
Additional site/land use information:		
Surrounding land use is agricultural with the nearest off-	property receptor, a residence, at 2,730 feet	The plant will be located 1,143 feet

Permit No. 87730L001 Page 4 Regulated Entity No. RN105704472

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Summary of Modeling Results

7	able 1. Site-wide Modelin	त्र प्रकार कर्मा ng Results for State Property	y Line
Pollutant	Averaging Time	GLCmax (μg/m³)	Standard (µg/m³))
SO ₂	1-hr	100	1021

Table 2. Site-wide Modeling Results for Health Effects						
Pollutant & CAS#	Averaging Time	GLCmax (μg/m³)	ÉSL (µg/m³)			
Diesel Fuel (Vapor)	1-hr	13	1000			

	able 3. Modeling Results f	or Minor NSR NAAQS	AOI hay a same a sa
Pollutant	Averaging Time	GLCmax (μg/m³)	De Minimis (μg/m³)
	3-hr	90	25
SO_2	24-hr	40	5
	Annual	8	1
PM ₁₀	24-hr	72	5
	Annual	14	1 +.
NO ₂	Annual	57	1
СО	1-hr	82	2000
	8-hr	58	500

The 3-hr, 8-hr, 24-hr, and annual maximum predicted concentrations were derived by multiplying the 1-hr maximum predicted concentration by 0.9, 0.7, 0.4, and 0.08, respectively.

Table	Table 4. Total Concentrations for Minor NSR NAAQS (Concentrations > De Minimis)						
Pollutant	Averaging Time	GLCmax (μg/m³)	Background (μg/m³)	Total Conc. = [Background + GLCmax] (µg/m³)			
	3-hr	90	130	220	1300		
SO ₂	24-hr	40	36	76	365		
	Annual	8	8	16	80		

Permit No. 87730L001 Page 5 Regulated Entity No. RN105704472

Table 4. Total Concentrations for Minor NSR NAAQS (Concentrations > De Minimis)						
Pollutant	Averaging Time	GLCmax (μg/m³)	Background (µg/m³)	Total Conc. = [Background + GLCmax] (µg/m³)	Standard (µg/m³)	
	24-hr	72	60	132	150	
PM ₁₀	Annual	14	20	34	50	
NO ₂	Annual	57	20	77	100	

The screening background concentrations for SO_2 , PM_{10} , and NO_2 from TCEQ Region 9 were used in the modeling demonstration. The PM_{10} NAAQS evaluation was used as a surrogate for the determination of compliance with the $PM_{2.5}$ NAAQS.

Since the 1-hour NO_2 and 1-hour SO_2 NAAQS went into effect during this review, the applicant was asked to demonstrate compliance with these standards. The results are as follows:

Table 5. Total Concentrations for Minor NSR NAAQS (Concentrations > De Minimis)						
Pollutant	Averaging Time	GLCmax (μg/m³)	Background (µg/m³)	Total Conc. = [Background + GLCmax] (µg/m³)	Standard (µg/m³)	
SO ₂	1-hr	99.19	70	169	188	
NO ₂	1-hr	99.79	26	126	196	

Is the applicant in agreement with special conditions?	Yes
Company representative(s):	Melissa Fitts, Westward Environmental for Conners Construction
Contacted Via:	Email
Date of contact:	1/11/2011
Other permit(s) or permits by rule affected by this action:	No.
List permit and/or PBR number(s) and actions required or taken:	NA
Project Reviewer Date Team Lea	nder/Section Manager/Backup Date
•	

Texas Commission on Environmental Quality

INTEROFFICE MEMORANDUM

To:

Alex Berksan, P.E.

Date:

August 4, 2009

Mechanical/Agricultural/ Construction

Section

Thru:

Daniel Menendez, Team Leader

Air Dispersion Modeling Team (ADMT)

From:

Matthew Kovar and Megan Cox

ADMT

Subject:

Modeling Audit – Conners Construction, Inc. (RN105704472)

1.0 Project Identification Information.

Permit Application Number: 87730L001

NSR Project Number: 145408 ADMT Project Number: 3129 NSRP Document Number: 382743

County: Falls

ArcReader Published Map: \\Msgiswrk\APD\MODEL PROJECTS\3129\3129.pmf

Modeling Report: Submitted by Westward Environmental, Inc., July 2009, on behalf of Conners

Construction, Inc.

2.0 Report Summary. The modeling analysis is acceptable for all review types and pollutants. The results are summarized below.

Tal	ble 1. Site-wide Modelin	g Results for State Property	/ Line
Pollutant	Averaging Time	GLCmax (µg/m³)	Standard (µg/m³)
SO ₂	1-hr	100	1021

Table 2. Site-wide Modeling Results for Health Effects					
Pollutant & CAS#	Averaging Time	GLCmax (μg/m³)	ESL (µg/m³)		
Diesel Fuel (Vapor) (MW = appr. 180) Not Found	1-hr	13	1000		

Alex Berksan, P.E.
Page 2 of 3
August 4, 2009
Modeling Audit – Conners Construction, Inc.

Ta	ble 3. Modeling Results f	for Minor NSR NAAQS	AOI (m)	
Pollutant	Averaging Time	GLCmax De Minimis (μg/m³); (μg/m³)		
	3-hr	90	25	
SO ₂	24-hr	40	5	
	Annual	8	1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	
PM ₁₀	24-hr	72		
	Annual	14	1	
NO ₂	Annual	57	1	
. co	1-hr	82	2000	
	8-hr	58	500	

The 3-hr, 8-hr, 24hr, and annual maximum predicted concentrations were derived by multiplying the 1-hr maximum predicted concentration by 0.9, 0.7, 0.4, and 0.08, respectively.

Table 4. Total Concentrations for Minor NSR NAAQS (Concentrations > De Minimis)									
Pollutant	Averaging Time	GLCmax (µg/m³)	Background ·(μg/m³)	Total Conc.*="1" [Background + GLCmax] (µg/m³)	Standard (µg/m³)				
SO ₂	3-hr	90	130	220	1300				
	24-hr	40	36	76	365				
	Annual	8	8	16	80				
PM ₁₀	24-hr	72	60	132	150				
	Annual	14	20	34	50				
NO ₂	Annual	57	20	77	100				

The screening background concentrations for SO₂, PM₁₀, and NO₂ from TCEQ Region 9 were used in the modeling demonstration.

Land Use. Rural dispersion coefficients and flat terrain were used in the modeling analysis. These selections are consistent with the topographic maps and aerial photography.

Alex Berksan, P.E.
Page 3 of 3
August 4, 2009
Modeling Audit – Conners Construction, Inc.

4.0 Modeling Emissions Inventory. The modeled emission point, area, and volume source parameters and rates were consistent with the modeling report. The source characterizations used to represent the sources were appropriate.

A low-level fugitive adjustment factor of 0.6 was applied to the modeled emission rates of low-level fugitive sources. This is consistent with TCEQ guidance for these types of sources.

Maximum allowable hourly emission rates are used for the short and long-term averaging time analyses. The maximum allowable hourly emission rates for the Active and Inactive Stockpiles (EPNs STK1 and STK2) were derived from the annual emission rate.

- 5.0 Building Wake Effects (Downwash). Downwash was not applicable since there are no structures on-site that would impact dispersion.
- 6.0 Meteorological Data. The full meteorology option was chosen for each source group.

Stability class 6 and wind speed of 1.5 m/s were subsequently modeled for source groups Plant Fugitives (EPNs 1-37, LDG), Active Stockpiles (EPN STK1), Inactive Stockpiles (EPN STK2), and Diesel Tank (EPN 41). These selections are appropriate because stability class 6 is the worst-case stability and 1.5 m/s is the worst-case wind speed. The National Weather Service considers wind speeds less than 1.5 m/s to be calm.

7.0 Receptor Grid. The number of receptors and distance from the sources were appropriate.

A discrete receptor was placed on the nearest property line from the Plant Fugitives volume source (EPNs 1-37, LDG). The source will be located at least 165 meters from the nearest property line.

8.0 Model Used and Modeling Techniques. Screen3 (Version 96043) was used.

A unitized emission rate of 1 lb/hr was used to predict a generic short-term impact for each source. The generic impact was multiplied by the proposed pollutant specific emission rates to calculate a maximum predicted concentration for each source. The maximum predicted concentration for each source was summed to get a total predicted concentration for each pollutant.

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Compliance History CN601463409 Conners Construction Inc Rating: 2.91 Classification: **AVERAGE** TATE PORTABLE ROCK CRUSHER Site Rating: 3.01 Classification: AVERAGE RN105704472 BY DEFAULT 87730L001 AIR NEW SOURCE PERMITS PERMIT SITE IS LOCATED ON THE EAST AND WEST SIDE OF C

Location:

Customer/Respondent/Owner-Operator:

246 APPROX .75 MI NORTH OF FM 413

TCEQ Region: Date Compliance History Prepared: REGION 09 - WACO

March 31, 2011

Agency Decision Requiring Compliance History: Permit - Issuance, renewal, amendment, modification, denial, suspension, or revocation of a permit.

Compliance Period:

Regulated Entity:

ID Number(s):

March 19, 2004 to March 19, 2009

TCEQ Staff Member to Contact for Additional Information Regarding this Compliance History

Name:

Alex Berksan

Phone:

239 - 1595

Site Compliance History Components

1. Has the site been in existence and/or operation for the full five year compliance period? 2. Has there been a (known) change in ownership/operator of the site during the compliance period?

3. If Yes, who is the current owner/operator?

N/A

4. If Yes, who was/were the prior owner(s)/operator(s)?

N/A

5. When did the change(s) in owner or operator occur?

N/A

6. Rating Date: 9/1/2010 Repeat Violator:

Components (Multimedia) for the Site:

- Final Enforcement Orders, court judgments, and consent decrees of the State of Texas and the federal government.
- Any criminal convictions of the state of Texas and the federal government. В.

N/A

Chronic excessive emissions events. C.

N/A

The approval dates of investigations. (CCEDS Inv. Track. No.) D.

Written notices of violations (NOV). (CCEDS Inv. Track. No.) Ε.

F. Environmental audits.

N/A

- G. Type of environmental management systems (EMSs).
- Voluntary on-site compliance assessment dates. Н

Participation in a voluntary pollution reduction program. 1.

N/A

Early compliance. J.

N/A

Sites Outside of Texas

N/A

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Compliance History

		<u> </u>	omphance mistory		
Customer/	Respondent/Owner-Operator:	CN601463409	Conners Construction Inc	Classification: AVERAGE	Rating: 2.91
Regulated	Entity:	RN105704472	TATE PORTABLE ROCK CRUSHER	Classification: AVERAGE BY DEFAULT	Site Rating: 3.01
ID Number	r(s):	AIR NEW SOUI	RCE PERMITS PERMIT		87730L001
Location:		- · · - · -	ED ON THE EAST AND WEST SIDE OF 5 MI NORTH OF FM 413	С	
TCEQ Reg	gion:	REGION 09 - WA	400		
Date Comp	oliance History Prepared:	March 31, 2011			
Agency De	ecision Requiring Compliance History	Permit - Issuance	e, renewal, amendment, modification, der	nial, suspension, or revocation	of a permit.
Complianc	e Period:	March 31, 2006 t	to March 31, 2011		
TCEQ Staf	ff Member to Contact for Additional In	formation Regardi	ing this Compliance History		
Name:	Alex Berksan	Pho-	one: 239 - 1595		
		Site Co	mpliance History Components		
1. Has the	site been in existence and/or operation	on for the full five y	year compliance period? No		
	re been a (known) change in ownersh			No	
3. If Yes, w	who is the current owner/operator?		N/A		
4. If Yes, v	who was/were the prior owner(s)/oper	rator(s)?	N/A		
5. When d	lid the change(s) in owner or operator	occur?	N/A		
6. Rating	Date: 9/1/2010 Repeat Violator:	NO			
•					
	ents (Multimedia) for the Site:	monte and conse	nt decrees of the State of Texas and the f	ederal government	
A. I	Final Emolcement Orders, court judgi	nents, and conser		ouorai go rommemi	
			A. A. Samuranda		
В. /	Any criminal convictions of the state on N/A	of Texas and the fe	ederal government.		
C. (Chronic excessive emissions events.				•
	N/A				
D.	The approval dates of investigations. N/A	(CCEDS Inv. Trac	ck. No.)		
E. '	Written notices of violations (NOV). (N/A	CCEDS Inv. Track	. No.)		
F. !	Environmental audits.				
THE PERSON NAMED OF THE PE	N/A				
G.	Type of environmental management	systems (EMSs).			
Н.	Voluntary on-site compliance assessi	ment dates.	•		
	N/A				
	Participation in a voluntary pollution r	eduction program.			
	N/A	. •			
J. I	Early compliance.				•
	N/A				
	side of Texas				

N/A

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